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1 [Markup systems and the future of scholarly text processing](#)

James H. Coombs, Allen H. Renear, Steven J. DeRose

November 1987 **Communications of the ACM**, Volume 30 Issue 11

Full text available: [pdf\(1.91 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Markup practices can affect the move toward systems that support scholars in the process of thinking and writing. Whereas procedural and presentational markup systems retard that movement, descriptive markup systems accelerate the pace by simplifying mechanical tasks and allowing the authors to focus their attention on the content.

2 [Evaluating hypermedia and learning: methods and results from the Perseus Project](#)

Gary Marchionini, Gregory Crane

January 1994 **ACM Transactions on Information Systems (TOIS)**, Volume 12 Issue 1

Full text available: [pdf\(2.57 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The Perseus Project has developed a hypermedia corpus of materials related to the ancient Greek world. The materials include a variety of texts and images, and tools for using these materials and navigating the system. Results from a three-year evaluation of Perseus use in a variety of college settings are described. The evaluation assessed both this particular system and the application of the technological genre to information management and to learning. The evaluation used a variety of methods ...

Keywords: human-computer interaction, hypermedia, learning, teaching

3 [Hypertext by link-resolving components](#)

Frank Wm. Tompa, G. Elizabeth Blake, Darrell R. Raymond

December 1993 **Proceedings of the fifth ACM conference on Hypertext**

Full text available: [pdf\(1.12 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: database keys, dynamic linking, hypertext system architecture, link resolution

4 A survey of extensions to APL

Karl Fritz Ruehr

July 1982 **ACM SIGAPL APL Quote Quad , Proceedings of the international conference on APL**, Volume 13 Issue 1

Full text available:  pdf(3.57 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A survey of proposed extensions to the APL language is made with emphasis placed on the motivations for various proposals, the differences between them and the consequences of their adoption. Some issues of a more general nature concerning the purpose, process and direction of language extension are also discussed. An extensive bibliography is provided with annotations concerning the nature, development and influence of various authors' works. Areas of extension encompassed by the survey in ...

5 Linking by inking: trailblazing in a paper-like hypertext

Morgan N. Price, Gene Golovchinsky, Bill N. Schilit

May 1998 **Proceedings of the ninth ACM conference on Hypertext and hypermedia : links, objects, time and space---structure in hypermedia systems: links, objects, time and space---structure in hypermedia systems**

Full text available:  pdf(1.46 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

6 Managing resources and services: Towards a cultural heritage digital library

Gregory Crane, Clifford Wulfman

May 2003 **Proceedings of the 3rd ACM/IEEE-CS joint conference on Digital libraries**

Full text available:  pdf(800.99 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper surveys research areas relevant to cultural heritage digital libraries. The emerging National Science Digital Library promises to establish the foundation on which those of us beyond the scientific and engineering community will likely build. This paper thus articulates the particular issues that we have encountered in developing cultural heritage collections. We provide a broad overview of audiences, collections, and services.

7 Test Review: a new method of computer-assisted learning to promote careful reading and logical skills

Dennis Rothermel, Gregory Tropea

April 1994 **Proceedings of the 1994 ACM symposium on Applied computing**

Full text available:  pdf(602.51 KB)

Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: computer-assisted instruction, critical thinking, reading

8 The FINITE STRING Newsletter: Abstracts of current literature

Computational Linguistics Staff

January 1987 **Computational Linguistics**, Volume 13 Issue 1-2

Full text available:  pdf(6.15 MB)  [Publisher Site](#)

Additional Information: [full citation](#)

9 Interactive Editing Systems: Part II

Norman Meyrowitz, Andries van Dam

September 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 3

Full text available:  [pdf\(9.17 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

10 Hypertext, full text, and automatic linking

J. H. Coombs

December 1989 **Proceedings of the 13th annual international ACM SIGIR conference on Research and development in information retrieval**

Full text available:  [pdf\(1.46 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Current computing systems typically support only mid-century information structures: simple hierarchies. Hypertext technologies enable users to impose many structures on document sets and, consequently, provide many paths to desired information, but they require that users work their way through some structure. Full-text search eliminates this requirement by ignoring structure altogether. The search strategy can also be restricted to work within specified contexts. The architecture provided ...

11 Digital libraries and knowledge disaggregation: the use of journal article components

Ann Peterson Bishop

May 1998 **Proceedings of the third ACM conference on Digital libraries**

Full text available:  [pdf\(1.26 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

12 Models for reader interaction systems

Daniel Berleant

November 2000 **Proceedings of the ninth international conference on Information and knowledge management**

Full text available:  [pdf\(210.85 KB\)](#)

Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: browsers, browsing, foraging, metaphors, models, navigation, paradigms, reading, text

13 Status report of the graphic standards planning committee

Computer Graphics staff

August 1979 **ACM SIGGRAPH Computer Graphics**, Volume 13 Issue 3

Full text available:  [pdf\(15.01 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#)

14 Robust multilingual parsing using island grammars

Nikita Synytskyy, James R. Cordy, Thomas R. Dean

October 2003 **Proceedings of the 2003 conference of the Centre for Advanced Studies on Collaborative research**

Full text available:  [pdf\(128.39 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Any attempt at automated software analysis or modification must be preceded by a comprehension step, i.e. parsing. This task, while often considered straightforward, can in fact be very challenging for some source code. Files that make up web applications serve as an example of such difficult-to-parse artifacts, for two reasons. First, these files often contain several programming languages at once, sometimes with widely varying syntaxes,

and intermingled at the statement level. Second, the code ...

15 In recognition of the 25th anniversary of Computing Reviews: selected reviews 1960–1984

Jean E. Sammet, Robert W. Rector

January 1985 **Communications of the ACM**, Volume 28 Issue 1

Full text available:  pdf(2.05 MB)

Additional Information: [full citation](#), [references](#), [index terms](#)

16 DOCUMENTS: an interactive online solution to four documentation problems

T. R. Girill, Clement H. Lulc

May 1983 **Communications of the ACM**, Volume 26 Issue 5

Full text available:  pdf(1.14 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

An adequate delivery system for user documentation addresses the problems of easy access, versatile publication, convenient administration, and good document quality. At the National Magnetic Fusion Energy Computer Center the DOCUMENT program helps solve these problems by providing a high level of service through strategies that can readily be exported to other contexts. Dividing machine-readable documents into keyword windows permits fully online, subject-oriented ...

Keywords: help packages, information retrieval, keywords, online catalogs, user assistance, user interfaces

17 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Full text available:  pdf(4.21 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

18 Status report of the graphic standards planning committee of ACM/SIGGRAPH: State-of-the-art of graphic software packages

Computer Graphics staff

September 1977 **ACM SIGGRAPH Computer Graphics**, Volume 11 Issue 3

Full text available:  pdf(9.03 MB)

Additional Information: [full citation](#), [references](#)

19 Human-computer interface development: concepts and systems for its management

H. Rex Hartson, Deborah Hix

March 1989 **ACM Computing Surveys (CSUR)**, Volume 21 Issue 1

Full text available:  pdf(7.97 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)


Human-computer interface management, from a computer science viewpoint, focuses on the process of developing quality human-computer interfaces, including their representation,

design, implementation, execution, evaluation, and maintenance. This survey presents important concepts of interface management: dialogue independence, structural modeling, representation, interactive tools, rapid prototyping, development methodologies, and control structures. *Dialogue independence* is th ...

20 The role of external representation in the writing process: implications for the design of hypertext-based writing tools

C. M. Neuwirth, D. S. Kaufer

November 1989 **Proceedings of the second annual ACM conference on Hypertext**

Full text available:  [pdf\(1.99 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The long-range goal of the research reported here is to study the role of hypertext-based external representations in augmenting performance on a cognitively complex task, in particular, on a synthesis writing task. The production of a written synthesis is a challenging task that requires managing large amounts of information over an extended period of time. Thus, synthesis writing is a task that is well-suited for testing the potential of hypertext technologies to support work on complex t ...

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